

## The River Mile Framework K-5 Sample Articulation Connections to Washington State Revised Science Standards



Grades	EALR 1-3 Systems, Inquiry & Application	EALR 4 Physical Science	EALR 4 Earth and Space Science	EALR 4 Life Science
K-1	Parts to Whole Relationship Making Observations Tools and Materials	Push, Pull & Position Liquids and Solids	Observing the Sun & Moon Earth Materials:	Plant & Animal Parts Habitat Classifying Plants & Animals
K	Use words, tallies, drawings & ask questions	Describe location Identify forces	Observe TRM weather & seasonal changes	Select one insect or animal to count & study at TRM
1	Identify & label TRM plants & animals parts	Properties of water and rocks	Describe & compare properties of pebbles, sand & silt	Select one plant to count & study at TRM ecosystem
2-3	Role of Each Part in a System, Conducting Investigations Solving Problems	Force Makes Things Move, Properties of Materials Forms of Energy	The Sun's Daily Motion Water & Weather	Life Cycles Changes in Ecosystems Variation of Inherited Characteristics
2	Observe, count & describe TRM non- living parts compare & contrast to living	Observe sources of heat, light, & sound. Track motion over time.	Measure shadows. Weather station observe & record the weather using tools	Identify plant adaptation & life cycles at differing locations in TRM
3	Investigate a problem at TRM & design a solution	Magnetic property of rocks. Electric probe to test water quality	Find evidence that water shaped TRM landforms	Compare human and animal bodies and survival behaviors
4-5	Complex Systems Planning Investigations Different Technologies	Measurement of Force & Motion States of Matter Heat, Light, Sound & Electricity	The Earth in Space Formation Of Earth Materials Focus on Fossils	Structures & Behaviors Food Webs Heredity & Adaptation
4	Investigate a 2x2 plot Identify all of the plants, animals & insects. Study interactions	Observe in the fall & spring and find evidence of water as a solid, liquid & gas	Study soil formation and composition at various locations & compare with plant growth & survival	Observe TRM food web find and record producers, consumers & decomposers
5	Investigate a 20x20 Plot. Transect & map the area make a model to identify the species	Water quality testing & recording data at various locations. Identify variables in results	Find evidence of geologic history, identify different landforms, map soil erosion & deposition at TRM	Find evidence of plant & animal adaptation to the environment. Identify variables

**Note: This chart is intended as a sample only. Faculties are encouraged to choose school-specific content & develop an articulated grade level focus for TRM site visits..**